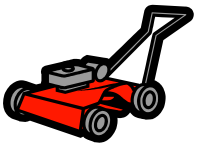
SUMMARY

Tuesday, July 26, 2005



Non-Automobile Gasoline Engines Workgroup Meeting

Held on Tuesday, July 19th, 2005
NJ Department of Military and Veterans Affairs (NJDMAVA) Headquarters
101 Eggerts Crossing Road, Lawrenceville, New Jersey
Meeting called by: Sandy Krietzman
Facilitator: Stella Ononiwu

Attendees:

1. Sandy Krietzman, New Jersey Department of Environmental Protection (NJDEP)
2. Stella Ononiwu, NJDEP
3. Tony Iavarone, NJDEP
4. Angela Skowronek, NJDEP
5. Rich Janiak, NJDEP
6. Jim Arose, New Jersey Motor Vehicle Commission (NJMVC)
7. Scott Long, NJDEP
8. Bill McBride, NJDMAVA
9. John McKnight, National Marine Manufacturers Association (NMMA)
10. Ken Erick, New Jersey Department of Transportation (NJDOT)
11. Melissa Danko, Marine Trade Associations of New Jersey (MTANJ)
12. Michael Kon, Naval Air Engineering Station (NAES)

Materials:

1. Non-Automotive Gasoline Engines Workgroup Leader Presentation
2. Attendance sign-in sheet
3. Minutes from June 29, 2005 meeting, pdf file available at http://www.nj.gov/dep/airworkgroups/offroad_workgroup.html
4. 2002 New Jersey Emission Inventory Charts showing top 15 emitters for VOC, NO_x, CO, $PM_{2.5}$ and SO_2
5. Agenda, pdf file available at http://www.nj.gov/dep/airworkgroups/offroad_workgroup.html

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Introduction/Announcements

- All participants introduced themselves.
- There was a general review of the purpose of the workshop and workgroups, agenda items, and the goals of this workgroup.
- The participants were informed of NJDEP's intention to list workgroup participants and affiliation in the final report. While some agreed, others said that they would like to see the final report before consenting to this as they are concerned that they may not agree with what is on the report.
- There was a feedback from a participant that the NJ Emissions Inventory numbers for Pleasure Craft are lower than the model says because the model does not accurately incorporate the most recent technology.

Overview

- The Non-Automobile Gasoline Engines workshop presentation was reviewed for the benefit of new members.
- There was a presentation on Recreational Marine Engines by John McKnight (NMMA) to show what is being done to control emissions from marine engines.
- The main focus for this meeting was on recommending control measures to reduce VOC, NO_x, and PM emissions and reviewing the pros and cons associated with them.

Discussion: Suggested Control Measures for Non-Automobile Gasoline Engines

Topic 1: Suggested Measures for Pleasure Crafts.

Discussion:

A. Equipment turn over for Boats through Scrappage Programs, Partnership with EPA Region 2 to encourage use of cleaner engines, and Public Education.
   - Pros
     i. Increase public awareness.
     ii. Increased use of low emission engines.
   - Cons
     i. Expensive material development for scrappage program.

B. Regulating boating on Ozone Alert Days.
   - Pros
     i. Emissions reduction on high ozone days.
   - Cons
     i. The boating industry will oppose – the high ozone days are more likely to be the days that the boaters will want to use their equipment.

C. Portable fuel tanks for boats.
   1. Replacing old tanks with new low emission ones.
      - Pros
        i. Reduces emissions.
        ii. Saves fuel.
   2. Modification of the boat filler neck.
      - Pros
        i. Reduces emissions.
        ii. Saves fuel.
      - Cons
        i. Not currently available.
   3. Stage II vapor recovery needs to be extended.
      - Pros
        i. Reduces emissions.
        ii. Boats compatible with land side.
      - Cons
        i. Exempt.

D. Regulating the move from older unregulated engines to newer Tier II engines if it will result in a substantial emission reduction.
   - Pros
     i. Reduces emissions.
   - Cons
     i. Costly to boat owners.

Conclusion: No conclusions at this time.

Action Items/Person(s) responsible/Deadline:

i. John Mcknight (NMMA) and Melissa Danko (MTANJ) will provide the group with the MOU they have with EPA before the next meeting. Please, see **http://www.epa.gov/region1/pr/2005/jul/sr050707.html**

Topic 2: Suggested Measures for Lawn & Garden Equipment

Discussion:

A. Emissions Cap for Commercial Landscaping: Regulated by general permits and tracked by fuel consumption or log of hours.
   - Pros
     i. Reduce emissions.
   - Cons
     i. Administrative burden.
     ii. Enforcement issue.

B. Commercial Buy Back Program for Mowers: Coupon and Scrap Program.
   - Pros
     i. Reduce emissions.
     ii. Commercial operators need to turn over equipment.
   - Cons
     i. Potential high cost.
     ii. Time consuming.

C. Residential Buy Back Program for Mowers: Coupon and Scrap Program.
   - Pros
     i. Positive community interest and participation in the program (California).
   - Cons
     i. Amount of reduction may not be economically feasible compared to commercial.
     ii. Potential high cost.
     iii. Time consuming.

D. Activity Reductions on Ozone Alert Days: Prohibit or reduce the number of hours of activities.
   - Pros
     i. Decrease emissions on worst days.
   - Cons
     i. Public compliance.

E. Treasury should ensure that new equipment purchased by State would be "emissions compliant".
   - Pros
     i. Reduce emissions.
   - Cons
     i. May increase contracting costs.

F. Public Education done by public notifications (examples include flyers, posters, and pamphlets), and web site updates (suggested websites include NJDEP, Clean Marina and MTA/NJ).
   - Pros
     i. Increase public awareness.
     ii. Reduce emissions.
   - Cons
     i. Funding.

D. Star Program: Develop a system to recognize commercial landscaping companies that turn over their equipment approximately every two years and have a Best Management Practices component.
   - Pros
     i. Raise level of awareness for both consumers and providers on emissions generated by lawn care Equipment.
     ii. Reduce emissions.
   - Cons
     i. Have administrative burden.
     ii. May affect small businesses.

H. Restrictions on secondary markets (i.e. used equipment sales).
   - Pros
     i. Reduce emissions.
   - Cons
     i. Implementation.
     ii. Effects on businesses.

Conclusion: No conclusions at this time.

Action Items/Person(s) responsible/Deadline:
i. Ken Erick (NJDOT) will check to see if there is a way to keep track of what equipment specifications go into NJDOT's fleet before the next meeting.

Topic 3: Suggested Measures for AirCrafts.

Discussion:
A. Emission reduction from Aircraft Piston Engines.
   1. Setting standards.
      - Pros
        i. Reduce emissions.
      - Cons
        i. States are pre-empted from setting emission standards.
   2. Refueling Process.
      - Pros
        i. Reduce emissions.
      - Cons
        i. Aircrafts are not covered by Stage II.

   3. Insure that after pre-flight check, fuel is returned to fuel tank.
      - Pros
        i. Reduce surface run-off.
        ii. Reduce emissions.

Conclusion: No conclusion at this time.

Action Items/Person(s) responsible/Deadline: No action was required on this topic.

Topic 4: Other suggested measures.

Discussion:

A. Portable Fuel Containers (for consumers): Replace old containers with new ones.
   - Pros
     i. Affordable.
     ii. Will be regulated under DEP rule.
   - Cons
     i. There may not be public acceptance to replace a product that is still in good condition.
     ii. Disposal issues – possible hazardous waste, may be expensive to dispose.

B. Access ideas from the public through the media (TV, radio, and newspapers).
   - Pros
     i. More ideas.
     ii. Wider public exposure.
   - Cons
     i. Time consuming.
     ii. TV and radio are expensive.

Conclusion: No conclusion at this time.

Action Items/Person(s) responsible/Deadline: No action was required on this topic.

Wrap-up

i. We still need recruits from the Landscaping industry and OPEI.
   - John Mcknight will reach out to OPEI representative before the next meeting.

ii. The next Non-Automobile Gasoline Engine Workgroup meeting:
August 16th, 2005, 1pm – 5pm
New Jersey Department of Environmental Protection (NJDEP)
33 Arctic Parkway,
Ewing, NJ
http://www.state.nj.us/dep/rpp/map.htm

iii. Conference call logistics will be posted on the Non-Automobile Gasoline Engines Workgroup website and in in the meeting agenda at:
http://www.nj.gov/dep/airworkgroups/offroad_workgroup.html